Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Shoosmith Brothers, Inc.
Facility Name:	Shoosmith Sanitary Landfill
Facility Location:	11800 Lewis Road Chester, Virginia 23831
Registration Number:	50752
Permit Number:	PRO-50752

September 24, 2008
Effective Date

September 24, 2013
Expiration Date

Kyle Ivar Winter, P.E.
Deputy Regional Director, Department of Environmental Quality

September 24, 2008
Signature Date

Table of Contents

I. Facility Information

Permittee/Facility Name
Shoosmith Brothers, Inc.
Shoosmith Sanitary Landfill
11800 Lewis Road
Chester, Virginia 23831

Responsible Official
Mr. Bruce Coble
Manager of landfill Operations
(804) 748-5823

County Plant Identification Number: 51-041-0090

Facility Description: NAICS 562212 **(**SIC Code 4953) - This facility consists of a municipal solid waste landfill that collects the landfill gas and burns it primarily in flares. The facility may also use the landfill gas as an alternative fuel in the INGENCO plant (separate facility permit).

EMISSIONS UNITS

1. Equipment List

Facility to be modified (subject to NSPS WWW and NESHAP AAAA) consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
L01	NA	Municipal Solid Waste Landfill (MSW) Cells A, B, C, 1 through 14, 15A, 15B, and 16 through 25	27,143,177 cubic yards (estimated compaction of 1425 lbs/yd^3) of combined waste	Gas Collection and Control System (GCCS)	NA	NMOC	01/31/2006
Fuel Burning Equipment							
P01	1	Landfill Gas Specialties, Landfill Gas Flare – CF102018	1620 scfm	Open Flare	P01	NMOC	01/31/2006
P02	2	Landfill Gas Specialties, Landfill Gas Flare – CF102018	1620 scfm	Open Flare	P02	NMOC	01/31/2006
P03	3	Landfill Gas Specialties, Landfill Gas Flare – CF1430110	3210 scfm	Open Flare	P03	NMOC	01/31/2006

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

(9 VAC 5-80-1100 and Condition 1 of the NSR permit dated 01/31/2006)

LANDFILL REQUIREMENTS – (EMISSIOS UNITS L01, P01, P02 and P03) FROM NSR

LIMITATIONS

2. **Design Capacity** - The design capacity of the MSW landfill, to include Cells A, B, C, 1 through 14, 15A, 15B, and 16 through 25, shall be 27,143,177 cubic yards (yd^3). A change in the design capacity may require a permit to construct and operate.
(9 VAC 5-50-390 and Condition 2 of the NSR permit dated 01/31/2006)

3. **LFG Collection and Control System: Design and Operational Standards** - The permittee shall operate the active landfill gas (LFG) collection and control system for the Shoosmith Brothers Landfill in the following manner:

   a. Design the system to handle the maximum expected gas flow rate from entire area of the landfill which has been calculated to be 5172 cfm or 2,718,403,200 scf/yr (at 50% methane) using the procedures listed in 40 CFR 60.755(a)(1). The maximum expected gas flow rate shall be recalculated when additional cells other than those listed are proposed for landfill expansion and the LFG system shall be redesigned to handle the maximum expected gas flow rate from the entire area of the landfill.
   b. Collect gas from each area, cell or group of cells in which initial solid waste has been in place for a period of:

      i. 5 years or more if active;

      ii. 2 years or more if closed or at final grade.

   c. Collect gas at a sufficient extraction rate to meet all operational requirements. Upon maturation of the landfill and full implementation of the gas collection system, the gas collection system shall have an assumed average collection efficiency of 75%.

   d. The permittee shall operate the system such that negative pressure is maintained at each active wellhead except as provided in 40 CFR 60.753 (b).

   e. The permittee shall opera te each interior, active wellhead in the collection system such that the gas temperature is less than 55°C and with either a nitrogen level less than 20%, as determined by EPA Method 3C; or an oxygen-content less than 5%, as determined by EPA Method 3A. The permittee may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.
   f. Design the system to minimize off-site migration of subsurface gas by installing liners meeting the requirements listed in 40 CFR 258.40.
   g. Route the collected landfill gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system is subject to the requirements listed in Condition 3(h) and (i); **OR**
   h. Control landfill gas emissions by routing the collected landfill gas to any combination of the open flares, P01, P02 or P03. All open flares must meet the criteria in 40 CFR 60.18.
   i. The open flares shall reduce NMOC by 98 weight-percent or reduce the outlet concentration to less than 20 ppmv, dry, as hexane, at 3 percent oxygen, as determined by EPA Method 25c or EPA Method 18 or another method as approved by EPA, Region III.
   j. Maintain the methane concentration at the surface of the landfill at less than 500 ppmv above the background level.

   A change in item (h) may require a permit to modify and operate.
   (9 VAC 5-50-410 and Condition 3 of the NSR permit dated 01/31/2006)

4. **Passive Utility Flare Requirements -** The nine passive landfill gas utility flares installed at the leachate collection tanks at the facility shall operate only during periods when the active collection and control system is shutdown for repair or maintenance. These flares shall operate no more than 300 hours per year.
(9 VAC 5-50-260 and Condition 4 of the NSR permit dated 01/31/2006)

5. **Open Flare Requirements -** The landfill gas flares (P01, P02 and P03) are subject to the following requirements listed in 40 CFR 60.18 and 40 CFR 60.756.

   a. The net heating value for the landfill gas being combusted shall be 200 Btu/scf or greater and determined according to methods listed in 40 CFR 60.18(f)(3) or other methods approved by EPA, Region III.

   b. The exit velocity shall be less than 60 ft/sec except when the net heating value for the landfill gas is greater than 1,000 Btu/scf **OR** the exit velocity is less than V_{MAX} and less than 400 ft/sec. The exit velocity shall be determined using the applicable methods listed in 40 CFR 60.18(f)(4) and 40 CFR 60.18(f)(5) or methods approved by EPA, Region III.

   c. A heat sensing device, such as an ultraviolet beam sensor or thermocouple, shall be installed at each flare's pilot light or the flame itself to indicate the continuous presence of a flame.

   d. A gas flow meter shall be installed, calibrated, and maintained to record the landfill gas flow to each flare at minimum every 15 minutes, OR

   e. The bypass line valve shall be secured in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line**.**

   (9 VAC 5-50-410 and Condition 5 of the NSR permit dated 01/31/2006)

6. **Dust Emission Control -** Unless otherwise specified, dust emission controls shall include the following or equivalent as a minimum:

   a. Dust from grading, cell construction, waste compaction, application of daily cover, wood waste chipping operations, storage piles and traffic areas shall be controlled by wet suppression or equivalent (as approved by the DEQ) control measures.

   b. All material being stockpiled shall be kept moist to control dust during storage and handling, or covered to minimize emissions.

   c. Dust from haul roads shall be controlled by wet suppression and prompt removal of dried sediment resulting from soil erosion and dirt spilled or tracked onto paved surfaces within the landfill.

   d. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. Dirt spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.
   (9 VAC 5-50-90 and Condition 6 of the NSR permit dated 01/31/2006)

7. **Operational Requirements –** The permittee shall demonstrate compliance with operational standards for the landfill gas collection and control system required by Subpart WWW (40 CFR 60.753) in accordance with appropriate subsection(s) of Subpart WWW (40 CFR 60.755). The permittee shall demonstrate compliance with the landfill gas collection and control system requirements of Subpart WWW (40 CFR 60.752) in accordance with appropriate subsection(s) of Subpart WWW (40 CFR 60.755). All reports required to demonstrate compliance with the compliance requirements of Subpart WWW (40 CFR 60.755) shall be prepared and submitted to the Piedmont Regional Office as required by Subpart WWW (40 CFR 60.755).
(9 VAC 5-80-1180 and 9 VAC 5-50-410 and Condition 7 of the NSR permit dated 01/31/2006)

8. **Specifications for Active Collection System –** The permittee shall construct the active collection system piping, horizontal collectors, and vertical wells as proposed in the active gas collection and control system design plan most recently approved by DEQ. A change in the approved gas collection and control system design plan may require a permit to modify and operate. Regardless of the change, the facility shall submit for approval a revised gas collection and control system design plan if the change was not in the active gas collection and control system design plan most recently approved by DEQ.
(9 VAC 5-50-410 and Condition 8 of the NSR permit dated 01/31/2006)

9. **Operation of Landfill -** Except where this permit is more restrictive than the applicable requirement, the MSW landfill shall be constructed and operated in accordance with 40 CFR 60, Subpart WWW.
(9 VAC 5-50-410 and Condition 9 of the NSR permit dated 01/31/2006)

10. **Operation of LFG Collection and Control System -** The gas control system consisting of three landfill gas flares (P01, P02 and P03) shall be in operation at all times when the collected gas is routed to the specific unit(s) in the system. The gas mover system shall be shut down and all valves in the collection and control system allowing atmospheric venting of landfill gases shall be closed within 1 hour if the collection or control system is inoperable.
(9 VAC 5-50-410 and Condition 10 of the NSR permit dated 01/31/2006)

11. **Fuel -** The approved fuel for the three landfill gas flares (P01, P02 and P03) is landfill gas. Each flare may also use propane gas to ignite the pilot flame in each flare. A change in fuel may require a permit to modify and operate.
(9 VAC 5-80-1180 and 9 VAC 5-50-50 and Condition 11 of the NSR permit dated 01/31/2006)

12. **Fuel** - The landfill gas shall have an assumed Average Higher Heating Value of 500 Btu/cf for the purpose of calculating estimated pollutant emissions.
(9 VAC 5-80-1180 and Condition 12 of the NSR permit dated 01/31/2006)

13. **Fuel –** The three landfill gas flares (P01, P02 and P03) shall consume no more than 4732 cfm (at 50% methane) and 2,487,139,200 cubic feet of landfill gas (combined) per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-170-160 and 9 VAC 5-80-1180 and Condition 13 of the NSR permit dated 01/31/2006)

14. **Visible Emission Limit –** The three landfill gas flares (P01, P02 and P03) shall each be operated with no visible emissions, as determined by EPA Method 22, except for periods not to exceed a total of 5 minutes during two consecutive hours. This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-50-20, 9 VAC 50-260, 9 VAC 5-50-410, 40 CFR 60.18(c)(1)) and Condition 14 of the NSR permit dated 01/31/2006)

15. **Emission Limits -** Emissions from the operation of the three flares (P01, P02, and P03) combined shall not exceed the limits specified below:

$PM_{10}/PM_{2.5}$	3.3 lbs/hr	10.4 tons/yr
Sulfur Dioxide	39.3 lbs/hr	126.3 tons/yr
Nitrogen Oxides	13.2 lbs/hr	42.3 tons/yr
Carbon Monoxide	71.6 lbs/hr	230.1 tons/yr
Non-Methane Organic Compounds	0.3 lbs/hr	1.3 tons/yr
Volatile Organic Compounds	0.3 lbs/hr	1.3 tons/yr

(9 VAC 5-50-260, 9 VAC 5-50-180 and Condition 15 of the NSR permit dated 01/31/2006)

16. **Determination of NMOC Concentration and LFG Flow Rate -** After the installation of a gas collection and control system in compliance with 40 CFR 60.755, the permittee shall determine the actual NMOC concentration and LFG flow rate and shall calculate the NMOC emission rate for the purposes of determining when the gas collection system can be removed in accordance with 40 CFR 60.754 (b).
(9 VAC 5-50-410 and Condition 16 of the NSR permit dated 01/31/2006)

17. **Requirements by Reference -** The MSW landfill shall be constructed and operated in compliance with the requirements of 40 CFR 60, Subpart WWW.
(9 VAC 5-50-410 and Condition 17 of the NSR permit dated 01/31/2006)

18. **Requirements by Reference -** The MSW landfill shall be constructed and operated in compliance with the requirements of 40 CFR 60, Subpart AAAA.
(9 VAC 5-50-410 and Condition 18 of the NSR permit dated 01/31/2006)

TESTING

19. **Landfill Gas Sampling** – Within twelve months from the date of this permit [NSR permit dated 01/31/2006], the permittee shall conduct an additional analysis of Total Reduced Sulfur (TRS) from the main header pipe at the blower/flare station to demonstrate compliance with the emission limits contained in this permit. The details of the sampling shall be arranged with the Piedmont Regional Office. The permittee shall submit a sampling protocol at least 30 days prior to sampling. One copy of the sampling results shall be submitted to the Piedmont Regional Office within 45 days after completion. If the results of the sampling, conducted as described in this condition, indicate a statistically significant increase in TRS concentration in the landfill gas, the permittee shall submit a permit amendment application within 60 days of receiving the results of the sampling. If the results of the sampling, conducted as described in this condition, indicate no significant increase in TRS concentration in the landfill gas, the permittee may request a waiver from additional sampling for TRS.
(9 VAC 5-80-1200 and 9 VAC 5-50-30 G and Condition 19 of the NSR permit dated 01/31/2006)

MONITORING

20. **LFG Collection System Monitoring Requirements -** The operation of the gas collection system shall be monitored as follows:

    a. The following items shall be monitored each month:

        i. Gauge pressure, each well.

        ii. LFG temperature, each well.

        iii. Nitrogen concentration or oxygen concentration, each well.

        iv. Cover integrity.

    b. The methane concentration at the landfill surface shall be monitored at least once every quarter.

    c. The permanent gas monitoring probes currently installed around the perimeter of the site shall be monitored on a quarterly basis for methane in percent (%) by volume, following the procedures listed in Solid Waste Permit #587.

    (9 VAC 5-50-410, 9 VAC 5-50-260 and Condition 20 of the NSR permit dated 01/31/2006)

21. **LFG Control System Monitoring Requirements -** The operation of the gas control system shall be monitored as follows:

    a. The presence of the pilot flame or the flare flame shall be continuously monitored by a heat sensing device and recorded for each open flare, P01, P02, and P03, when landfill gas is being vented to any combination of flares.

    b. Landfill gas flow shall be recorded at least once every 15 minutes for open flares, P01, P02, and P03, OR

    c. The bypass line valve shall be secured in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

    (9 VAC 5-50-410, 9 VAC 5-50-260 and Condition 21 of the NSR permit dated 01/31/2006)

22. **Corrective Actions -** If monitoring demonstrates that the requirements of Conditions 3 (c), (d), (e), or (h) are not being met, corrective actions shall be taken as specified in 40 CFR 60.755 (a) (3) through (5) or 40 CFR 60.755 (c). If corrective actions are taken as specified in 40 CFR 60.755(c)(4), the monitored exceedance for the surface methane operational standard is not a violation of the operational requirements of this permit or 40 CFR 60, Subpart WWW.
    (9 VAC 5-50-410 and Condition 22 of the NSR permit dated 01/31/2006)

23. **Equipment –** Performance evaluation of the monitoring equipment shall take place during the initial performance test under Subpart WWW (40 CFR 60.752 and 40 CFR 60.754) or within 30 days thereafter. Two copies of the performance evaluation report shall be submitted to the Piedmont Regional Office within 45 days of the initial performance evaluation. Verification of satisfactory operation of monitoring equipment shall, at a minimum, include certification that manufacturer's written requirements or recommendations for installation, operation, and calibration of the devices have been followed.
    (9 VAC 5-50-40 and Condition 23 of the NSR permit dated 01/31/2006)

24. **NSPS Requirements -** The landfill gas collection and control system shall be monitored and all appropriate data recorded as required in Subpart WWW (Subsection 60.756).
(9 VAC 5-50-40 and Condition 24 of the NSR permit dated 01/31/2006)

RECORDKEEPING

25. **On-Site Records -** The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Regional Office. These records shall include, but are not limited to:
    a. Current maximum design capacity, current amount of refuse in place, and year by year refuse accumulation rates.

    b. Description, location, amount, and placement date of all non-degradable refuse including asbestos, demolition refuse, and coal ash placed in landfill areas that are excluded from landfill gas estimation or landfill gas collection and control.

    c. Installation date and location of all newly installed wells, horizontal gas collectors, and surface gas collectors.

    d. Map or plot showing each existing and planned well, horizontal gas collector, and surface collector in the gas collection system with each well and collector uniquely identified.

    e. Maximum expected gas generation flow rate calculated according to 40 CFR 60.755(a)(1).

    f. The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures listed in 40 CFR 60.759(a)(1).

    g. The type of open flare (i.e. steam-assisted, air-assisted, or non-assisted) used, all visible emission readings, the heat content determination, gas flow rate measurements, and exit velocity determinations made during the initial performance test conducted on 9/21/2000.

    h. The flare pilot flame or flare flame continuous monitoring in each flare stack for open flares, P01, P02, and P03, when landfill gas is being vented to any or all flares.

    i. All periods of operations when landfill gas is being vented to each open flare, P01, P02, and P03, during which the pilot flame or flare flame is absent for each open flare.

    j. The monthly monitored gauge pressure, temperature, and nitrogen or oxygen concentration for each well.

    k. The results from the monthly cover integrity monitoring and the date of cover repair.

    l. The quarterly monitored methane concentration at the landfill surface and the surface monitoring plan developed for the quarterly monitoring which includes a topographic map with the monitoring route at 30 meter intervals and the rationale for any site-specific deviations from the required intervals.

    m. The quarterly monitored permanent gas monitoring probes for methane in percent (%) currently installed around the perimeter of the site.

    n. The landfill gas flow, recorded at least once every 15 minutes for each open flare, P01, P02, and P03.

o. The heat input for each open flare, P01, P02, and P03, calculated on a quarterly basis using the lower heating value of methane (911 BTU/SCF), the quarterly highest monitored methane concentration recorded for item n and the corresponding gas flow during this quarterly highest monitored methane concentration.

p. All exceedances for the monitoring requirements listed in Conditions 20 and 21, the results from any subsequent readings of an exceedance parameter, the location of the exceedance, and the action taken to correct the exceedance.

q. A map of all areas where a geomembrane or synthetic cover is being used and the pressure limits for these areas.

r. All decommissioned wells.

s. Any inoperable periods exceeding 1 hour for the collection or control system.

t. The combined yearly throughput of landfill gas to the open flares, P01, P02, and P03, calculated monthly as the sum of each consecutive 12 month period.

u. Emissions calculations for open flares, P01, P02, and P03.

v. Date of first waste placement for Cells 22, 23, 24, and 25.

w. Calculations detailing the estimated annual site-specific density and maximum design capacity.

x. A copy of the most recent approved gas collection and control system design plan.

y. Dates and results of TRS sampling.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.
(9 VAC 5-50-50, 9 VAC 5-50-410 and Condition 25 of the NSR permit dated 01/31/2006)

REPORTING

26. **Semi-Annual Compliance Report -** The semi-annual compliance report shall be submitted to the Piedmont Regional Office by the date specified below and shall contain the following:

a. Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756 (a), (b), (c), and (d);

b. Description and duration of all periods when each open flare, P01, P02, and P03, was not working for a period exceeding 1 hour and length of time each open flare was not operating when landfill gas was being routed to any combination of flares;

c. Description and duration of all periods when landfill gas is diverted from each open flare, P01, P02, and P03, through a bypass line or the indication of bypass flow as specified under 40 CFR 60.756;

d. All periods when the collection system was not operating in excess of 5 days;

e. The location of each exceedance of the 500 parts per million surface methane concentration, and the concentration recorded at each location for which an exceedance was recorded as provided in 40 CFR 60.755 (c); and

f. The date of installation and the location of each well or collection system expansion added pursuant to paragraphs (a) (3), (b), and (c) (4) of 60.755.

Items (a) through (f) shall be submitted every six months. Semi-annual reports shall cover the calendar year (from January through June and July through December) and shall be submitted prior to September 30 (for January through June) and March 31 (for July through December). One copy of the annual compliance report shall be submitted to the Piedmont Regional Office.
(9 VAC 5-50-410 and 9 VAC 5-60-100 and Condition 26 of the NSR permit dated 01/31/2006)

27. **Closure Report -** The permittee shall submit a closure report to the Piedmont Regional Office within 30 days of the date the MSW landfill stopped accepting waste.
(9 VAC 5-50-410 and Condition 27 of the NSR permit dated 01/31/2006)

28. **Equipment Removal Report -** The permittee shall submit an equipment removal report to the Piedmont Regional Office 30 days prior to the removal or cessation of operation of the control equipment.
(9 VAC 5-50-410 and Condition 28 of the NSR permit dated 01/31/2006)

29. **Annual Emission Report for Fee Calculation -** The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the department.
(9 VAC 5-80-340(C) and Condition 29 of the NSR permit dated 01/31/2006)

30. **Testing/Monitoring Ports -** The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 F and Condition 30 of the NSR permit dated 01/31/2006)

NOTIFICATIONS

31. **Initial Notifications -** The permittee shall furnish written notification to the Piedmont Regional Office of:
    a. The actual date on which construction for Cells 22, 23, 24, and 25 at the Shoosmith Brothers Landfill commenced, individually, within 30 days after such date.

    b. The anticipated first waste placement date for Cells 22, 23, 24, and 25, individually, postmarked not more than 60 days nor less than 30 days prior to such date.
    c. The actual first waste placement date for Cells 22, 23, 24, and 25, individually, within 15 days after such date.
    d. Any modifications to the most recent gas collection and control system design plan approved by DEQ at least 90 days prior to such date.

    Copies of the written notification referenced in items a through c above are to be sent to:

    Associate Director
    Office of Air Enforcement (3AP10)
    U.S. Environmental Protection Agency
    Region III
    1650 Arch Street
    Philadelphia, PA 19103-2029

    (9 VAC 5-50-50 and 9 VAC 5-80-1180 and Condition 31 of the NSR permit dated 01/31/2006)

II. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation[1] (9 VAC_)	Pollutant Emitted (5-80-720 B.)	Rated Capacity (5-80-720 C.)
4a	Leachate Tank	5-80-720 B	VOC	2,000 gal
4b	Leachate Tank	5-80-720 B	VOC	2,000 gal
4c	Leachate Tank	5-80-720 B	VOC	2,000 gal
4d	Leachate Tank	5-80-720 B	VOC	2,000 gal
4e	Leachate Tank	5-80-720 B	VOC	2,000 gal
5a	Pre-Treatment Leachate Tank	5-80-720 B	VOC	2,500 gal
5b	Pre-Treatment Leachate Tank	5-80-720 B	VOC	2,500 gal
6a	Cell 4 Leachate Tank	5-80-720 B	VOC	4,000 gal
6b	Cell 5 Leachate Tank	5-80-720 B	VOC	4,000 gal
6c	Cell 6 Leachate Tank	5-80-720 B	VOC	4,000 gal
6d	Pump Station Leachate Tank	5-80-720 B	VOC	4,000 gal
7	Pre-Treatment Leachate Tank	5-80-720 B	VOC	4,500 gal
8a	Cell 8 Leachate Tank	5-80-720 B	VOC	8,000 gal
8b	Cell 15A Leachate Tank	5-80-720 B	VOC	8,000 gal
8c	Cell 15B Leachate Tank	5-80-720 B	VOC	8,000 gal
8d	Cell 16 Leachate Tank	5-80-720 B	VOC	8,000 gal
8e	Cell 17 Leachate Tank	5-80-720 B	VOC	8,000 gal
8f	Cell 18 Leachate Tank	5-80-720 B	VOC	8,000 gal
9	Cell 7 Leachate Tank	5-80-720 B	VOC	15,000 gal
10	Cell 9 Leachate Tank	5-80-720 B	VOC	17,000 gal

[1]The citation criteria for insignificant activities are as follows:
9 VAC 5-80-720 A - Listed Insignificant Activity, Not Included in Permit Application
9 VAC 5-80-720 B - Insignificant due to emission levels
9 VAC 5-80-720 C - Insignificant due to size or production rate

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

III. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements that have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of applicability
None Identified		

Nothing in this permit shield shall alter the provisions of § 303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to § 10.1-1314 or § 10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to § 10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

IV. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.
   f. The operating conditions existing at the time of sampling or measurement.
   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

      (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

   c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that “no deviations from permit requirements occurred during this semi-annual reporting period.
   (9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incidence of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

7. One copy of the annual compliance certification shall be sent to EPA at the following address:
   Clean Air Act Title V Compliance Certification (3AP00)
   U.S. Environmental Protection Agency, Region III
   1650 Arch Street
   Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Piedmont Region within four daytime business hours after discovery of any deviations from the permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition IV.C.3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Piedmont Region by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Piedmont Region.
(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
   (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
   (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80 Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
   (9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
   (9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
   (9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

   d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A - F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required, under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

V. *State-Only Enforceable Requirements*

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. 9 VAC 5 Chapter 50, Part II, Article 2: Standards of Performance for Odorous Emissions

2. 9 VAC Chapter 50, Part II, Article 3: Standards of Performance for Toxic Pollutants

(9 VAC 5-80-110 N and 9 VAC 5-80-300)

To: **Air Compliance Manager**
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From: **(Facility Name)**

Registration No. _____

Re: **TITLE V ANNUAL COMPLIANCE CERTIFICATION**

Date:

Please find attached our Title V Annual Compliance Certification for the period from ____/____/_____ to ____/____/_____. It identifies each term or condition of the permit that is the basis of the certification. All deviations and periods of non-compliance for the period have been addressed in semi-annual monitoring reports that have either been previously submitted or are enclosed.

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who mange the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

(*Signature) (Name & Title)*

cc: Director, Air and Waste Division (Mail drop 3AP00)
United States Environmental Protection Agency -- Region III
1650 Arch Street
Philadelphia, PA 19103-2029

(Annual Compliance Certifications are due 60 days following end of reporting period.)

To: **Air Compliance Manager**
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From: (*Facility Name)* **Reg. No. _____**
Re: PROMPT DEVIATION REPORT – Pursuant to Title V Permit
Date:
This confirms the deviation reported to the Regional Office at _____ o'clock on ____/____/_____. The details are described below. The deviation may have caused excess emissions for more than one hour, consistent with specified averaging times. None of these deviations were related to a malfunction.

Start date & time:	**End date & time:**	**Estimated Duration:**
Deviation from which permit condition (*condition number and brief description*):		
Description of incident (*including emission unit affected)*:		
Description of Monitoring Requirement for affected unit(s):		
Probable cause:		
Description of corrective measures taken (*demonstrating a timely & appropriate response*):		
Description of preventive measures taken:		

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who mange the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

(*Signature)* *(Name & Title)*

To: Air Compliance Manager
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From: (*Facility Name)* Reg. No. _____

Re: SEMI-ANNUAL MONITORING REPORT – Pursuant to Title V Permit

Date:

The following monitoring report is submitted as required by our Title V permit. For the purposes of this report, deviation means (1) exceedances of emission limits, as determined by such means as stack testing, continuous emission monitors, parametric monitoring and EPA Method 9 visible emission evaluations; (2) excursions from control device operating parameter requirements such as afterburner temperature, scrubber flow rate, baghouse pressure drop; (3) excursions from operational restrictions things such as throughput, fuel quality, and coating VOC and HAP content; and (4) failure to meet monitoring, record keeping or reporting requirements. The report addresses all data points, which are above a standard, limit etc, according to the averaging period, if any, specified in the permit. If no averaging period is specified in the permit, then any monitored reading is considered a deviation to be reported. Deviations are reported regardless of whether they may have caused excess emissions or whether they were the result of a malfunction.

The period covered by the report is from ____/____/_____ to ____/____/_____.

During the reporting period:

☐ No deviations from permit requirements occurred during this semi-annual reporting period. (We conducted all required monitoring and associated record keeping and reporting. Required monitoring revealed no deviations from permit requirements.)

☐ We failed to conduct required monitoring/record keeping/reporting as explained on the attached form.

☐ We identified deviations as a result of required monitoring:

- ☐ Deviations were addressed in CEM Excess Emission Report(s) dated: _____
- ☐ Deviations were addressed in Fuel Report(s) dated: _____
- ☐ Deviations were addressed in MACT Report(s) dated: _____
- ☐ Deviations due to malfunctions were addressed in letters dated: _____
- ☐ Deviations were addressed in other report(s) dated: _____
  Type of report:_____
- ☐ Deviations were previously described in Prompt Deviation Reports dated:

  _____ _____ _____ _____ _____
  _____ _____ _____ _____ _____
- ☐ "Other" deviations, which were not previously reported, are described in the attachment.

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who mange the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

(*Signature) (Name & Title)*

FAILURE TO MONITOR, KEEP RECORDS OR REPORT **Registration No. _____** **Page _____ of _____**
Submitted as Part of Semi-Annual Monitoring Report

Permit Condition No. & DESCRIPTION OF REQUIREMENT	DESCRIPTION OF DEVIATION (including date)	REASON FOR DEVIATION & CORRECTIVE ACTION

Cond. No.	TERMS & CONDITIONS CONTAINED IN THE PERMIT *(list in order)*	MEANS OF DETERMINING COMPLIANCE STATUS	TYPE OF DATA THE MEANS PROVIDES	PERIODS OF NON-COMPLIANCE
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**

"OTHER" DEVIATIONS **Registration No. _____** **Page _____ of _____**
Submitted as Part of Semi-Annual Monitoring Report

Condition No. & Description of Requirement	**Description of Deviation** (time, emission unit, description of event, cause)	**Description of Associated Monitoring Requirement**	**Description of corrective measures taken (*demonstrating a timely & appropriate response*)**

(Report deviations which may have caused excess emissions for more than one hour on a deviation report form, not here.)